

## LABOSHAKE

## THERMOSHAKE



LABOSHAKE + TB50 + TK



THERMOSHAKE + EA2

### Large Shaker with Reciprocal or Orbital Motion

#### Robust and Powerful

All mechanical components are mounted on a stable, planar basic plate. The ball bearing shaking platform can take a wide range of attachments. This ball bearing feature ensures a constant shaking speed - even when heavy loads are mounted. The programs are entered using an ergonomically designed keyboard which also has two separate LED-displays. The shaking speeds can be programmed continuously adjustable up to 200 min<sup>-1</sup>.

There is an additional option of programming periods without any shaking activities. This resting phase might be useful e.g. to stimulate a process, to cool down a reaction and then take on the shaking process. All models have an excess current switch, which turns off the instrument when taking too much current.

#### Standard Delivery

Delivery of the basic model includes 4 vertical rods 150 mm long to accept a variety of attachments and a mains cable.

#### Accessories

Thanks to the wide selection of attachments, trays, two tiers consoles and the vast array of accessories, the basic models can be used for all kind of tasks. As an example: the two tiers console with 3 trays help saving precious bench space in the lab.

### Features

- ▣ Can take loads up to 30 kg
- ▣ Saving bench space thanks to two tiers console
- ▣ Extensive range of accessories
- ▣ 9 programs with 9 program steps
- ▣ Shaking speed can be programmed continuously variable
- ▣ No corrosive plastic housing
- ▣ Easy handling
- ▣ RS-485 interface

Accessories see page 8 and 9



LABOSHAKE LS basic model

### Incubator Shaker

Based on the basic models of LS 500 and RO 500, C. Gerhardt offers four state-of-the-art incubator shakers. The temperature chamber is heat insulated and ensures a high stability of the temperature. Even when taking heavy loads or running in continuous operation, THERMOSHAKE guarantees stable conditions and homogenous mixing of organic cultures at constant rotation speed. Growth cultures can be observed at any time through the transparent front door and illumination with a fluorescent lamp. The lamp is a standard length and can be easily replaced with a special growth enhancing lamp, day light lamp, etc.

#### Model VT - Heating and Cooling

Thanks to the built-in Peltier elements, models VTO 500 and VTL 500 ensure a precise control range of 10 K below room temperature up to a maximum of 60 °C. The instrument is especially quiet and temperature stable. An additional cooling unit, e.g. a recirculating cooler is not necessary. The Peltier-technique is extremely environmentally friendly as they don't need any cooling device.

#### Model TH - Heating

Models THO 500/1 and THL 500/1 offer a precise control range of 5 K above room temperature till 60 °C without cooling function.

#### Standard delivery

Delivery of the basic model includes 4 vertical rods 150 mm long to accept a variety of attachments and a mains cable.

### Features

- ▣ Very even temperature distribution
- ▣ Saving energy thanks to minimal heat loss
- ▣ High stability of temperature
- ▣ Observation of cultures through the transparent front door
- ▣ Incubator and illumination of the interior can be set separately
- ▣ Quiet operation thanks to Peltier element
- ▣ Since no cooling agent is necessary, extremely environmental friendly

Accessories see page 8 and 9